



DIVISION OF MASS SPECTROMETRY  
Italian Chemical Society

# **International Mass Spectrometry Conference (IMSC 22)**

**Florence, Italy**

**August 26-31, 2018**

***Celebrating 60 years of IMSC***







**One of the most beautiful  
cities in the world**

**Open sky museum**

**Green, small,  
clean, safe**







FIRENZE  
CONVENTION BUREAU

## Why Florence?

**Unique historical heritage**

**Very friendly people**

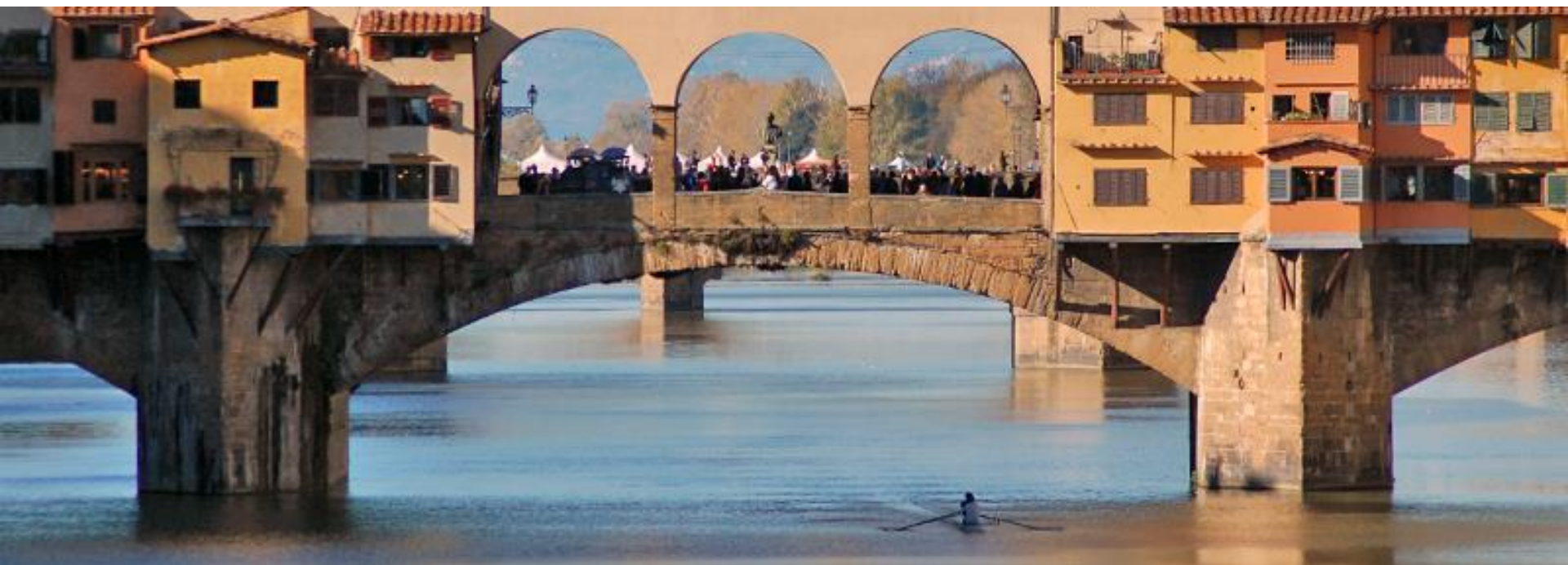
**Mediterranean climate**

**Delicious and healthy  
food**



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# Culture



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

1321





# Museums







Theatres



## Italian fashion and leather goods brands



*Salvatore Ferragamo*



roberto cavalli

GUCCI



ENRICO  
COVERI



EMILIO PUCCI

# Industry & technology



..... flavors of antique wisdom



Tuscan cooking and its tradition



..... flavors of antique wisdom



Tuscan cooking and its tradition



..... flavors of antique wisdom



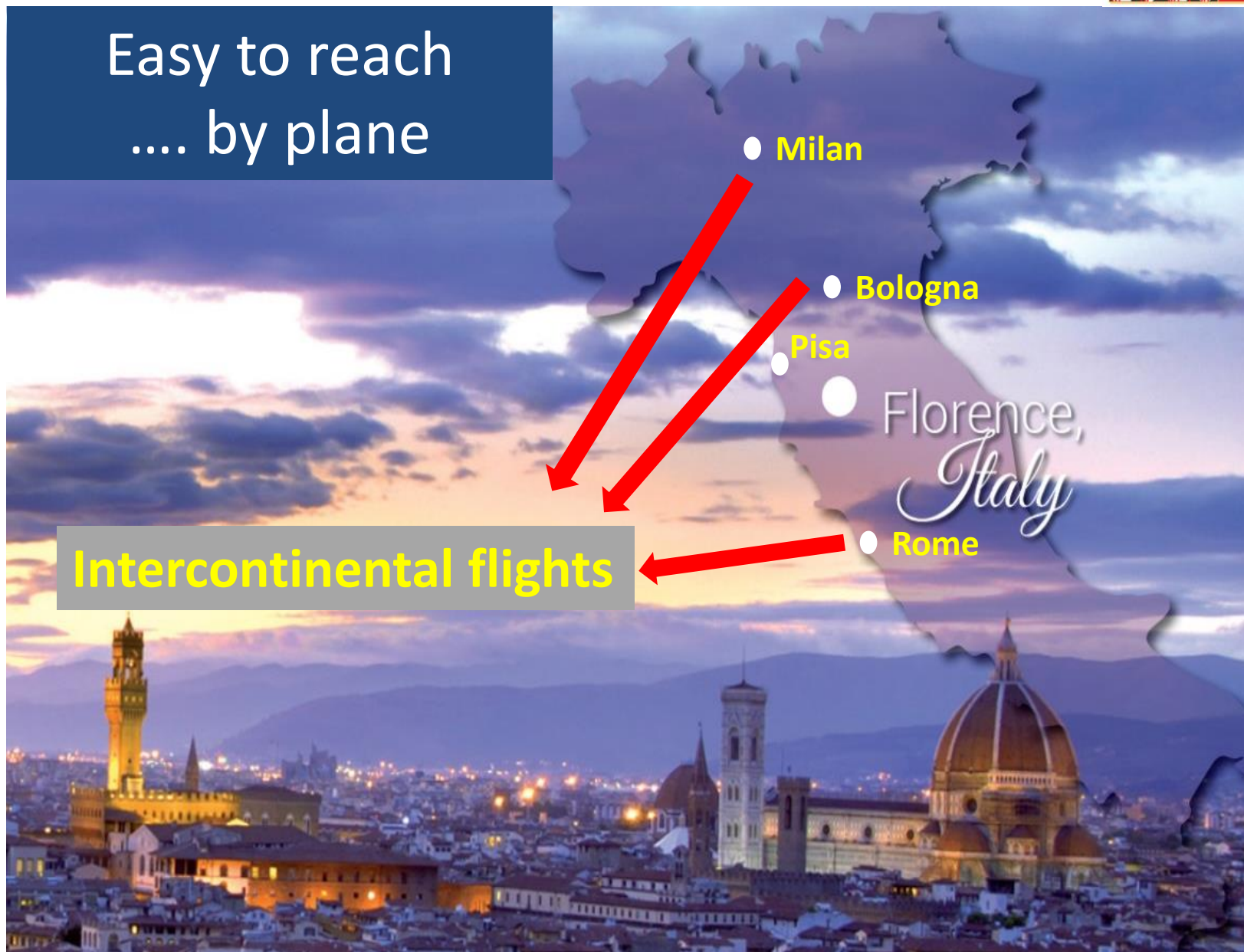
**Chianti & Super Tuscan Wines**





Easy to reach  
.... by plane

Intercontinental flights



## Conference Site and Infrastructures



**The Fortezza da Basso is a masterpiece of the military Renaissance architecture, commissioned by Duke Alessandro de' Medici, planned by Antonio da Sangallo il Giovane and built between 1534 and 1537.**



# Conference Site and Infrastructures





# Hotels



**for all categories of  
accommodation**





## Hotel Accommodation

Rating	Hotels	BedRooms	Beds	€
*****	13	813	2.261	175-290
****	85	6.634	14.341	100-160
***	145	4.705	10.805	65-145
**	80	1.323	2.968	40-65
*	56	561	1.210	30-40
Tot.	379	14.036	31585	

**B&B** € 45-50

**Hostels**  
800 beds € 25-35

### Centrally located

75% of Hotel Within walking distance  
from the Congress Citadel

Elegant and exclusively designed Hotels  
with a high standard of quality offered  
in all categories of accommodation





# University residences

**Double room: € 26/person/night**  
**Single room: € 31/night**

**Double room: € 21/person/night**  
**Single room: € 26/night**  
**Apartments**





# Conference Program

**Short Courses**

**Awards**

**Plenary & oral sessions**

**Workshops**

**45**

**Commercial Exhibition**

**Poster program**

**Social Program**



## • **A) LIFE SCIENCES (14)**

- Clinical proteomics
- Quantitative proteomics
- Post Translational Modifications
- Nucleic acids
- Native MS and structural proteomics
- Mass spectrometric analysis of forensic science evidence
- Therapeutic drug monitoring and drug discovery
- Metabolomics
- Lipidomics
- Glycomics, saccharides and glycoconjugates
- MS tools in doping & toxicology
- Clinical chemistry
- Single cell
- MS imaging: applications

## • **B) INSTRUMENTATION AND METHODS (9)**

- Hyphenated techniques
- FTMS and innovative methods for (bio)analyses
- High resolution MS: instrumentation, methods & applications
- Developments and applications in ion mobility MS
- Petroleomics, hydrocarbons and biofuels
- Ion activation and dissociations
- Ambient and new ionization methods
- MS imaging: instrumentation
- Informatic tools and data analysis





- **C) FOOD AND BEVERAGE (5)**

- Novel food; nanoparticles in food and beverage; future applications
- Food addition contaminants
- Food integrity, authenticity & traceability
- Safe & valuable food
- Nutraceuticals directions

- **E) ORGANIC AND INORGANIC MS:**

- **CHALLENGES & APPLICATIONS (8)**

- Environmental MS
- Natural substances and their complexes
- Materials & nanomaterials
- Cultural heritage and archaeology
- Polymers
- Pharmaceuticals
- Atomic mass spectrometry: metallomics and isotope ratio mass spectrometry
- Volatile molecules & nose-space analysis

- **D) FUNDAMENTAL MASS SPECTROMETRY (8)**

- Ion spectroscopy & Photodissociation
- Chiral discrimination
- Gas phase ion chemistry & thermochemistry
- Astrochemistry
- Noncovalent interactions
- Metal and non-metal clusters: gas phase structures and reactivity
- Reaction mechanisms and elusive intermediates
- Hydrogen-deuterium exchange, ion-molecule and ion-ion reactions

# **Plenary lecturers and keynote speakers**











to be completed .....



## Short courses

- 1) Fundamentals of mass spectrometry**
- 2) Foodomics & mass spectrometry**
- 3) Mass Spectrometry imaging**
- 4) Expanded newborn screening by tandem mass spectrometry**
- 5) Solid-Phase Microextraction: comprehensive overview of the technology and applications to analytical mass spectrometry**



## Workshops

- 1) Food – Consumer interactions by advanced MS techniques**
- 2) Police casework - successes and challenges from an academic perspective**
- 3) Mass spectrometry in virology**
- 4) Integration of native MS with structural biology methods**
- 5) Careers in mass spectrometry**

## Workshops

- 6) Transforming drug discovery and clinical biomarker bioanalysis: it's time for a paradigm shift from SRM to HRMS**
- 7) Mass spectrometry in microbiology**
- 8) Advances in protein structure analysis with mass spectrometry**



# Young Scientists

## FELLOWSHIPS

The **Division of Mass Spectrometry** of the Italian Chemical Society funds 20 fellowships for participation of students and young scientists to IMSC 2018.

# Young Scientists

2018 Journal of Mass Spectrometry

Symposium and Travel Award

sponsored by the *Journal of Mass Spectrometry* (Wiley)

to be presented at the  
**22<sup>nd</sup> International Mass Spectrometry Conference,**  
**Florence (Firenze), Italy    August 26-31, 2018**

For further details about the conference: <http://www.imsc2018.it/>

**5 Postgraduate Awards**



# Young Scientists



**IMSF calls for applications for the:**

**Nico Nibbering Student Travel Awards**

*“Celebrating the joyous legacy of Prof. Nico Nibbering in international mass spectrometry through supporting the next generation of mass spectrometrists from all over the world to attend the International Mass Spectrometry Conference”*

!!! A NEW OPPORTUNITY FOR IMSC2018 !!!

# Child Daycare

- Daycare activities provided for children (age: 1 – 10) in a dedicated and equipped space during the conference (Mon-Fri, from 8 am to 7 pm).
- All teachers are native English speakers



**NEW for IMSC !!**

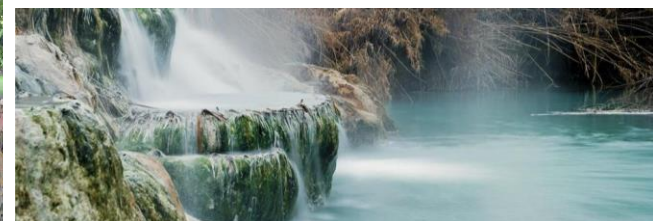


**Expected attendees**

**$\geq 2000$**

# Pre- & Post Conference Tours

## Sightseeing - Tuscany & Italy







## **Inferno's Secrets**

*Saturday, August 25<sup>th</sup> 2018*



## **Pisa**

*Sunday, August 26<sup>th</sup> 2018*



## **Uffizi**

*Tuesday, August 28<sup>th</sup> 2018*



## **Wine Tasting and Dinner in Chianti**

*Tuesday, August 28<sup>th</sup> 2018*



## **Diladdarno and Chiesa del Carmine**

*Wednesday, August 29<sup>th</sup> 2018*



## **Michelangelo's Masterpieces**

*Thursday, August 30<sup>th</sup> 2018*



## **Rome**

*Friday, August 31<sup>st</sup> through  
Sunday, September 2<sup>nd</sup> 2018*



## **Siena, San Gimignano and Monteriggioni**

*Saturday, September 1<sup>st</sup> 2018*

[www.imsc2018.it](http://www.imsc2018.it)





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Spectrometry Conference  
IMSC 22**

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***Celebrating 60  
years of IMSC***

**Florence makes the difference**

**Enjoy the 22<sup>nd</sup> IMSC  
in Florence!**

**All of you are kindly invited!**

